

Title (en)
DIRECT CATALYTIC ALKYLATION OF MONONUCLEAR AROMATICS WITH LOWER ALKANES

Publication
EP 0250879 B1 19910109 (EN)

Application
EP 87107769 A 19870527

Priority
US 87978686 A 19860627

Abstract (en)
[origin: EP0250879A1] Mononuclear aromatic hydrocarbons are alkylated with C2-C4 paraffins in the presence of an acid zeolite catalyst in a one-step process. Benzene and propane produce predominantly C7 to C9 aromatics.

IPC 1-7
C07C 2/00

IPC 8 full level
B01J 29/65 (2006.01); **B01J 29/00** (2006.01); **B01J 29/40** (2006.01); **B01J 29/42** (2006.01); **B01J 29/44** (2006.01); **B01J 29/48** (2006.01); **B01J 29/70** (2006.01); **B01J 29/87** (2006.01); **C07B 61/00** (2006.01); **C07C 1/00** (2006.01); **C07C 2/00** (2006.01); **C07C 2/76** (2006.01); **C07C 15/02** (2006.01); **C07C 67/00** (2006.01)

CPC (source: EP)
C07C 2/00 (2013.01); **C07C 2/76** (2013.01); **C07C 2529/40** (2013.01); **C07C 2529/65** (2013.01); **C07C 2529/70** (2013.01); **Y02P 20/52** (2015.11)

C-Set (source: EP)
1. **C07C 2/00 + C07C 15/00**
2. **C07C 2/76 + C07C 15/02**

Cited by
ES2782052A1; EP2540691A1; EP0439632A1; EP0719750A1; US11912642B2; US9174892B2; WO2013002638A1

Designated contracting state (EPC)
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EP 87107769 A 19870527; AU 7363187 A 19870529; BR 8703167 A 19870623; CA 538073 A 19870527; DE 3767228 T 19870527; JP 15460187 A 19870623; MY PI19870794 A 19870611